

1     What is claimed is:

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3       1. In a washing machine including a cabinet having a first opening through  
4       which a laundry is put in at a cabinet front side, a tub having a second opening at a tub front  
5       side, and a drum rotatably installed in the tub to have a third opening at a drum front side, a  
6       gasket comprising:

7           a leakage preventing part having one end connected to a rim of the first opening and  
8           the other end connected to a rim of the second opening to prevent water leakage wherein a  
9           portion between the one and the other ends of the leakage preventing part is bent to prevent  
10          shocks by vibrations of the tub and drum from appearing on the cabinet; and

11           a laundry-stuck preventing part provided on an inner circumference of the leakage  
12          preventing part to prevent the laundry from being stuck in a space between the first and third  
13          openings.

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15       2. The gasket as claimed in claim 1, the leakage preventing part comprising:

16           a first connecting member having one end connected to the first opening to  
17          horizontally extend toward the tub;

18           a second connecting member having one end connected to the other end of the first  
19          connecting member to radially extend toward the cabinet front side; and

20           a third connecting member having one end connected to the other end of the second  
21          connecting member and having the other end connected to the second opening.

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23       3. The gasket as claimed in claim 2, the laundry-stuck preventing part  
24          comprising:

21           a ring type protrusion protruding from an inner circumference of the third connecting  
22 member toward the third opening to prevent the laundry from being stuck between the drum  
23 and the respective first to third openings; and

24           a laundry discharge part provided on an upper inner circumference of the ring type  
25 protrusion to discharge the laundry stuck between the leakage preventing part and the ring  
26 type protrusion when the drum is rotating.

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28         4.       The gasket as claimed in claim 3, wherein the laundry discharge part  
29 comprises a discharge protrusion extending downward from an upper end of the inner  
30 circumference of the ring type protrusion.

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32         5.       The gasket as claimed in claim 4, wherein, in front view, a lower end of the  
33 discharge protrusion is tapered.

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35         6.       The gasket as claimed in claim 3, wherein the laundry discharge part is  
36 provided on an upper hemi-circle of the inner circumference of the ring type protrusion and  
37 has a shape of which width increases gradually toward a top of the hemi-circle.

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39         7.       A drum type washing machine comprising:  
40           a cabinet having a first opening through which a laundry is put in at a cabinet front  
41 side wherein a door is installed to open/close the first opening;  
42           a tub installed in the cabinet to have a second opening at a tub front side  
43 corresponding to the first opening;  
44           a drum installed in the tub to have a third opening at a drum front side corresponding

to the second opening;

a rotation means having a rotational shaft penetrating a rear side of the tub to be connected to the drum; and

39        a gasket for preventing leakage of water in the tub, shocks by vibrations of the tub  
40        and drum from appearing on the cabinet, and the laundry from being stuck in a space between  
41        the first and third openings.

8.        The drum type washing machine as claimed in claim 7, the gasket comprising:

42        a leakage preventing part having one end connected to a rim of the first opening and  
43        the other end connected to a rim of the second opening to prevent water leakage wherein a  
44        portion between the one and the other ends of the leakage preventing part is bent to prevent  
45        shocks by vibrations of the tub and drum from appearing on the cabinet; and

46        a laundry-stuck preventing part provided on an inner circumference of the leakage  
47        preventing part to prevent the laundry from being stuck in a space between the first and third  
48        openings.

9.        The drum type washing machine as claimed in claim 8, the leakage preventing part comprising:

49        a first connecting member having one end connected to the first opening to  
50        horizontally extend toward the tub;

51        a second connecting member having one end connected to the other end of the first  
52        connecting member to radially extend toward the front side of the cabinet; and

53        a third connecting member having one end connected to the other end of the second

54 connecting member and having the other end connected to the second opening.

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56       10. The drum type washing machine as claimed in claim 9 the laundry-stuck  
57 preventing part comprising:

58           a ring type protrusion protruding from an inner circumference of the third connecting  
59 member toward the third opening to prevent the laundry from being stuck between the drum  
60 and the respective first to third openings; and

61           a laundry discharge part provided on an upper inner circumference of the ring type  
62 protrusion to discharge the laundry stuck between the leakage preventing part and the ring  
63 type protrusion when the drum is rotating.

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65       11. The drum type washing machine as claimed in claim 10, wherein the laundry  
66 discharge part comprises a discharge protrusion extending downward form an upper end of  
67 the inner circumference of the ring type protrusion.

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69       12. The drum type washing machine as claimed in claim 11, wherein, in front  
70 view, a lower end of the discharge protrusion is tapered.

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13. The drum type washing machine as claimed in claim 10, wherein the laundry  
discharge part is provided on an upper hemi-circle of the inner circumference of the ring type  
protrusion and has a shape of which width increases gradually toward a top of the hemi-circle.